

ABSTRACT**Method and Apparatus for Frequency-Robust Detection Of A Wideband Code
Division Multiple Access ("WCDMA") Secondary SCH Channel**

5 The disclosed embodiments may relate to a method and apparatus for performing a correlation with respect to a received signal. A first correlator may correlate for a real part of a first characteristic of the received signal to produce a first real correlated signal. A second correlator may correlate for an imaginary part of the first characteristic of the received signal to produce a first imaginary correlated
10 signal. A third correlator may correlate for a real part of a second characteristic of the received signal to produce a second real correlated signal. A fourth correlator may correlate for an imaginary part of the second characteristic of the received signal to produce a second imaginary correlated signal. Logic may combine a signal that corresponds to the first real correlated signal, a signal that corresponds to the
15 first imaginary correlated signal, the second real correlated signal and the second imaginary correlated signal to produce a real part of a frequency adjusted signal and an imaginary part of the frequency adjusted signal.